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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Navy **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY

1319: *Research, Development, Test & Evaluation, Navy*
BA 6: *RDT&E Management Support*

R-1 ITEM NOMENCLATURE

PE 0605867N: *Space & Elec War Surv/Recon*

COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	19.338	19.700	7.642	-	7.642	12.221	17.516	17.820	18.125	Continuing	Continuing
1034: <i>TAC SAT Recon Office</i>	19.338	19.700	7.642	-	7.642	12.221	17.516	17.820	18.125	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Link Crimson program was congressionally chartered in 1977 (updated in 1980) to oversee the tactical use of reconnaissance satellites. The program rapidly develops (1-2 years) prototype systems, sensors, and software that exploit space systems to support tactical Fleet problems. Additionally, Link Crimson focuses on elements of National Intelligence Surveillance and Reconnaissance (ISR) systems and National-Tactical Integration operations to rapidly fill tactical capability gaps via improved, fused, all-source products at multiple security levels. Link Crimson also supports and participates in fleet exercises, which provide the venue for testing and demonstrating new prototype capabilities and enhancements to existing programs into which R&D efforts transition.

This program supports the operations and installations required for general research and development use. Program baseline funds will address research and development into potential unmanned vehicles, irregular warfare, anti-piracy, strike, information operations, battle space and maritime domain awareness (anti-submarine warfare and anti-surface warfare), fusion, visualization, ballistic missile defense (BMD) threats and cross-domain and cyber solutions. Additional information is held at a higher classification.

B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	20.747	19.700	20.001	-	20.001
Current President's Budget	19.338	19.700	7.642	-	7.642
Total Adjustments	-1.409	-	-12.359	-	-12.359
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-1.326	-			
• SBIR/STTR Transfer	-	-			
• Program Adjustments	-	-	-12.333	-	-12.333
• Section 219 Reprogramming	-0.049	-	-	-	-
• Rate/Misc Adjustments	-	-	-0.026	-	-0.026
• Congressional General Reductions	-0.034	-	-	-	-
Adjustments					

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<p><u>Change Summary Explanation</u></p> <p>Technical: Not applicable.</p> <p>Schedule: Not applicable.</p>		

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Navy								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 1319: Research, Development, Test & Evaluation, Navy BA 6: RDT&E Management Support				R-1 ITEM NOMENCLATURE PE 0605867N: Space & Elec War Surv/Recon				PROJECT 1034: TAC SAT Recon Office			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
1034: TAC SAT Recon Office	19.338	19.700	7.642	-	7.642	12.221	17.516	17.820	18.125	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		
A. Mission Description and Budget Item Justification											
The Link Crimson program was congressionally chartered in 1977 (updated in 1980) to oversee the tactical use of reconnaissance satellites. The program rapidly develops (1-2 years) prototype systems, sensors, and software that exploit space systems to support tactical Fleet problems. Additionally, Link Crimson focuses on elements of National Intelligence Surveillance and Reconnaissance(ISR)systems and National-Tactical Integration operations to rapidly fill tactical capability gaps via improved, fused, all-source products at multiple security levels. Link Crimson also supports and participates in fleet exercises, which provide the venue for testing and demonstrating new prototype capabilities and enhancements to existing programs into which R&D efforts transition.											
This program supports the operations and installations required for general research and development use. Program baseline funds will address research and development into potential unmanned vehicles, irregular warfare, anti-piracy, strike, information operations, battle space and maritime domain awareness (anti-submarine warfare and anti-surface warfare), fusion, visualization, ballistic missile defense (BMD) threats and cross-domain and cyber solutions. Additional information is held at a higher classification.											
The program exploits all national and service sensor systems to improve tactical support to fleet operational commanders. Project also supports equipment upgrades, training and fleet exercises, which provide the venue for testing modifications to existing programs.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: TAC SAT Recon Office								19.338	19.700	7.642	
								Articles: 0	0	0	
FY 2010 Accomplishments: Joint Exercise/Training Precision Strike/Mission Planning Anti-Submarine Warfare Improved Info. Management (Dissemination/Exploitation/Fusion/Visualization) Battlespace and Maritime Domain Awareness Support to Mine/Littoral/Expeditionary/Irregular Warfare/Anti-Piracy Information Operations/GWOT and Cyber Ballistic Missile Defense (BMD)											
FY 2011 Plans: Joint Exercise/Training											

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)											
							FY 2010	FY 2011	FY 2012		
Precision Strike/Mission Planning Anti-Submarine Warfare Improved Info. Management (Dissemination/Exploitation/Fusion/Visualization) Battlespace and Maritime Domain Awareness Support to Mine/Littoral/Expeditionary/Irregular Warfare/Anti-Piracy Information Operations/GWOT and Cyber Ballistic Missile Defense (BMD) <i>FY 2012 Plans:</i> Anti-Submarine Warfare (ASW) / Mine Warfare (MIW) Maritime Domain Awareness (MDA) and Battlespace Awareness (BA) Irregular Warfare / Overseas Contingency Operations (OCO) Anti-Surface Warfare (Anti-Piracy, Counter UAV) Range of Operations C2 (satellite-denied operations) Information Dominance (Information Operations) Ballistic Missile Defense (BMD)											
Accomplishments/Planned Programs Subtotals							19.338	19.700	7.642		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• O&M,N/1C3C: <i>Space Systems & Surveillance</i>	0.230	0.231	0.229	0.000	0.229	0.233	0.237	0.240	0.247	Continuing	Continuing
D. Acquisition Strategy An acquisition strategy is not required.											
E. Performance Metrics Performance will be evaluated quarterly.											

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